

# CURRICULUM VITAE

## GIUSEPPE ETIOPE

**DATE/PLACE OF BIRTH** December 6<sup>th</sup> 1966 - Rome (Italy)  
**NATIONALITY** Italian  
**E-MAIL** [giuseppe.etiope@ingv.it](mailto:giuseppe.etiope@ingv.it)  
**TITLE and POSITION** Ph.D. Geologist, Senior Researcher  
Istituto Nazionale di Geofisica e  
Vulcanologia (INGV), Roma, Italy  
**WEBSITE** <https://sites.google.com/a/ingv.it/getiope/>  
**ORCID** 0000-0001-8614-4221



### Brevium

Giuseppe Etiope, Petroleum Geologist, is Senior Researcher at INGV (Istituto Nazionale di Geofisica e Vulcanologia), Rome. He received his degree (1991) and Ph.D. (1995) in Earth Sciences from the University of Rome La Sapienza. He works on gas origin, occurrence and migration in the geosphere, with particular reference to methane and other hydrocarbons. His main research is focused on the origin and seepage of hydrocarbons (gas-oil seeps, mud volcanoes, microseepage) with implications on petroleum exploration (assessment of petroleum systems, source rocks, oil biodegradation, secondary alterations, reservoir compartmentalization), environment (groundwater and soil pollution, geo-hazards) and global climate changes (atmospheric greenhouse gas budget). He worked in the framework of EU research programmes on gas migration, radioactive waste management, and development of submarine observatories. Recent studies are focused on the abiotic origin of gas on Earth and Mars, with reference to abiotic synthesis of methane in ultramafic rocks. He coordinated NATO (North Atlantic Treaty Organization) projects, which provided the first data on methane flux from mud volcanoes. Successive studies on gas seepage have provided the first global estimates of geo-methane emissions into the atmosphere, today endorsed in greenhouse-gas emission inventories of the Environmental European Agency, the US EPA and the IPCC. Research is based on collaborations with the Deep Carbon Observatory (Sloan Foundation), NASA, NOAA and universities and research centers in North and South America, Europe and Asia. In 2016 he was appointed as Guest Investigator for the Exomars 2016 mission of the European Space Agency (ESA), for the study of methane on Mars. He teaches Petroleum Geology and Global Climate Change as Associate Professor at the Babes-Bolyai University (Cluj-Napoca, Romania). He is member of the International Committee of "International Conference on Gas Geochemistry". He was Chair of the Best Paper Committee of Organic Geochemistry Division of the Geochemical Society, Editor of the Wiley's journal "Geofluids", reviewer of European Commission and US National Science Foundation projects, and referee of the 4<sup>th</sup> Assessment Report of IPCC. He published 214 articles and a Springer's book on "Natural Gas Seepage". H index: 39 (Web of Science); 51 (Google Scholar).